

ABSTRACT

A TM cylindrical shaped microstrip antenna array which transmits telemetry data and which is adapted for use on weapons systems such as a missile or smart bomb. The microstrip antenna operates at a TM frequency band of 2200-2300, resulting in a band width for the antenna of 100 MHz. The microstrip antenna includes a GPS band-stop filter which isolates the telemetry data from the GPS L-Band carrier signals with a minimum band-stop rejection of -60 decibels.